

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/2	of Transmittal of International Search Report (20) as well as, where applicable, Item 5 below.
119649.2 LK	ACTION	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/IL 99/00485	08/09/1999	11/09/1998
Applicant		
GARDINO INVESTMENT N.V. e	t al.	·
This international Search Report has bee according to Article 18. A copy is being to	on prepared by this international Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant
This international Search Report consists It is also accompanied by	of a total of <u>5</u> sheets. y a copy of each prior art document cited in this	report.
1. Basis of the report	, , ,	
 With regard to the language, the language in which it was filed, un 	international search was carried out on the baseless otherwise indicated under this item.	sis of the international application in the
the International search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	he international application furnished to this
was carried out on the basis of th	e sequence listing :	nternational application, the international search
	onal application in written form.	
	emational application in computer readable form	π.
<u> </u>	o this Authority in written form.	
the statement that the su	o this Authority in computer readble form. bsequently furnished written sequence listing d	oes not go beyond the disclosure in the
· · ·	us filed has been furnished.	s Identical to the written sequence listing has been
fumished	ormation recorded in computer readable forms	s defined to the wither sequence issuing rise poets
2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of Invention is lac	king (see Box II).	
4. With regard to the title,		
The text is approved as su	ibmitted by the applicant.	
	shed by this Authority to read as follows:	,
5. With regard to the abstract,		
the text is approved as su		
the text has been establish within one month from the	shed, according to Rule 38.2(b), by this Authort e date of mailing of this international search rep	ty as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be pub	lished with the abstract is Figure No.	6A
as suggested by the appl	Icant.	None of the figures.
because the applicant fall	led to suggest a figure.	-
because this figure better	characterizes the invention.	

International Application No T/IL 99/00485

A. CLASSIFICATION OF SUBJECT N IPC 7 C12N15/12

C12N15/62 A61K31/7115 A61K38/17

C07K14/47 A61K38/18 C07K14/475

C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MOROZ C ET AL: "T-cell mitogenesis stimulates the synthesis of a mRNA species coding for a 43-kDa peptide reactive with CM-H-9, a monoclonal antibody specific for placental isoferritin." PROC. NATL. ACAD. SCI. USA, vol. 86, no. 9, May 1989 (1989-05), pages 3282-3285, XP002131123	1-7,16, 28,29
Y	page 3285, left-hand column, line 8-47	8-12, 17-27
Y	US 4 882 270 A (MOROZ CHAYA) 21 November 1989 (1989-11-21) column 2, line 22 -column 3, line 22 claims 26-35	8-11, 17-20, 22,23,27

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the cialmed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the cialmed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 24 February 2000	Date of mailing of the international search report 15/03/2000		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3018	Authorized officer van de Kamp, M		

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International Application No T/IL 99/00485

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Category °	ation) DOCUMENTS CONSTITUTED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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	page 1, line 23 -page 9, line 5 example 6 claims 1,13-18,26,30,33-35,38,39	
Y	US 5 571 678 A (MOROZ CHAYA ET AL) 5 November 1996 (1996-11-05) column 2, line 57 -column 3, line 63 examples 7-9 claims 1,4,7	8,9,12
Y	FISCH B ET AL.: "Placental isoferritin as a marker of early abortion in pregnancies induced by in vitro fertilization" PLACENTA,	8,9,12
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Υ	GARTY B Z ET AL.: "High serum levels of placental isoferritin p43 component in Down syndrome." CHILDREN'S HOSPITAL QUARTERLY, vol. 10, no. 1, 1998, pages 39-41, XP000876978 abstract	24
X	PATENT ABSTRACTS OF JAPAN & JP 07 031482 A (RAIFU TECHNOL	1-7,16
Y	KENKYUSHO), 3 February 1995 (1995-02-03) Note: 93.8% aa sequence identity of aa 1-118 with aa 1-118 of SEQ ID NO:6. abstract figures 1-7	8-10, 17-19
X	DATABASE GCG_GENESEQ_P 'Online! Geneseq ID R71567, AC R71567, 1 November 1995 (1995-11-01) ZH LIFE TECHNOLOGY KENKYUSHO: "Human monocyte growth factor" XP002131125	1-7,16
Y	page 1, line 19-25	8-10, 17-19
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Category °	ation) DOCUMENTS CONSTANTED TO BE RELEVANT Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.		
	44,000	Toolvan to Camili 140.		
X	BOYD D ET AL.: "Structural and functional relationships of human ferritin H and L chains deduced from cDNA clones" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 260, no. 21, 25 September 1985 (1985-09-25), pages 11755-11761, XP000876843 Note: 99.5% nt sequence identity of nt 56-432 of H ferritin cDNA with nt 86-462 of SEQ ID NO:1. abstract page 11755, left-hand column, line 13-17 figures 2,3	1-7,16		
X	DATABASE EMORG 'Online! EMBL ID MIHSXX, AC V00662, 9 June 1982 (1982-06-09) ANDERSON S ET AL.: "H. sapiens mitochondrial genome" XP002131126 Note: 99.5% nt sequence identity of nt 6486-6694 with nt 463-671 of SEQ ID NO:1. page 3, line 28-41 page 11	1-7,16		
A	HIGGY N A ET AL: "Differential expression of human ferritin H chain gene in immortal human breast epithelial MCF-10F cells" MOLECULAR CARCINOGENESIS, vol. 20, no. 4, December 1997 (1997-12), pages 332-339, XP000876881 abstract	1,28		
A	ROSEN H R: "Placental isoferritin-associated p43 in pregnancy and breast cancer. Minireview." NEOPLASMA, vol. 43, no. 6, 1996, pages 357-362, XP000876880 the whole document	1,10-12, 19-21, 23,25,26		
A	MAYMON R ET AL.: "Placental isoferritin: a new biomarker from conception to delivery" BRITISH JOURNAL OF OBSTETRICS AND GYNAECOLOGY, vol. 103, no. 4, April 1996 (1996-04), pages 301-305, XP000877134 the whole document /	1,12,21, 26		

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T	YANIV I ET AL: "p43, a new placental isoferritin subunit, is a growth factor for granulocyte-monocyte progenitor cells" BONE MARROW TRANSPLANTATION, vol. 23, no. suppl. 1, March 1999 (1999-03), page S83 (272) XP000876882 abstract	13-15
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